

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1. (Previously Presented) A method of fabricating an integrated color filter for a liquid crystal display (LCD), comprising:
  - providing a substrate;
  - forming respective gate lines and signal lines on the substrate, wherein the plurality of gate lines and signal lines define respective pixel areas;
  - forming a plurality of switching elements electrically connected to the signal lines and gate lines for the pixel areas;
  - forming a protruding pattern on the gate lines, the signal lines, and the switching elements to define respective color filter unit areas;
  - applying colored resin to form respective color filter units in the color filter unit areas defined by the protruding pattern, the respective color filter units having respective top surfaces with edge portions that are substantially planar with respective edge portions of a top surface of the protruding pattern; and
  - forming respective pixel electrodes on the respective top surfaces of the respective color filter units and on the respective edge portions of the top surface of the protruding pattern.
2. (Original) The method as claimed in claim 1, wherein the substrate is an insulator.
3. (Original) The method as claimed in claim 1, wherein the switching elements are thin film transistors.
4. (Original) The method as claimed in claim 1, wherein the protruding pattern is made of organic material.

5. (Original) The method as claimed in claim 1, wherein the protruding pattern is a composite of polyimide, carbon black and novolak resin.
6. (Original) The method claimed in claim 1, wherein the protruding pattern comprises respective contact holes exposing parts of corresponding switching elements.
7. (Previously Presented) The method as claimed in claim 6, wherein the pixel electrodes electrically connect to corresponding switching elements via the contact holes.
8. (Original) The method as claimed in claim 1, wherein the protruding pattern is patterned by photolithography.
9. (Original) The method as claimed in claim 1, wherein the gate lines and signal lines are substantially made of opaque conductive materials.
10. (Original) The method as claimed in claim 1, wherein the pixel electrodes are substantially made of transparent conductive materials.
11. (Original) The method as claimed in claim 1, wherein the colored resin is applied by ink-jet printing.
12. (Previously Presented) An integrated color filter for a liquid crystal display (LCD), comprising:
  - a substrate;
  - a pixel matrix comprised of a plurality of gate lines and signal lines formed on the substrate, wherein the gate lines and signal lines define respective pixel areas;
  - respective switching elements for each of the pixel areas electrically connected to the signal lines and gate lines;

a protruding pattern formed on the gate lines, the signal lines, and the switching elements and defining respective color filter unit areas;

respective color filter units formed in said respective color filter unit areas, the respective color filter units having respective top surfaces with edge portions that are substantially planar with respective edge portions of a top surface of the protruding pattern; and

respective pixel electrodes formed on the respective top surfaces of the respective color filter units and on the respective edge portions of the top surface of the protruding pattern.

13. (Original) The integrated color filter as claimed in claim 12, wherein the substrate is an insulator.

14. (Original) The integrated color filter as claimed in claim 12, wherein the switching elements are thin film transistors.

15. (Original) The integrated color filter as claimed in claim 12, wherein the protruding pattern is made of organic material.

16. (Original) The integrated color filter as claimed in claim 12, wherein the protruding pattern is a composite of polyimide, carbon black and novolak resin.

17. (Original) The integrated color filter as claimed in claim 12, wherein the protruding pattern comprises respective contact holes exposing parts of corresponding switching elements.

18. (Original) The integrated color filter as claimed in claim 17, wherein the pixel electrodes electrically connect to corresponding switching elements via the contact holes.

19. (Original) The integrated color filter as claimed in claim 12, wherein the protruding pattern is comprised of a photoresist material.

20. (Original) The integrated color filter as claimed in claim 12, wherein the gate lines and signal lines are substantially made of opaque conductive materials.

21. (Original) The integrated color filter as claimed in claim 12, wherein the pixel electrodes are substantially made of transparent conductive materials.

22. (Original) The integrated color filter as claimed in claim 12, wherein the color filter units are formed by ink-jet printing.

23. (Original) The integrated color filter as claimed in claim 12, wherein each of said switching elements further comprising:

a gate electrode extending from a gate line;

a gate insulating layer formed on the gate electrodes; and

a pair of source and drain electrodes formed on the gate insulating layer above the gate electrode to form a thin film transistor.

24. (Currently Amended) The method as claimed in claim 1,

wherein the step of forming a plurality of switching elements electrically connected to the signal lines and gate lines for the pixel areas, comprises:

forming a plurality of gate electrodes connected to the gate lines;

forming a first insulating layer on the plurality of gate electrodes;

forming a plurality of source electrodes and a plurality of drain electrodes on the first insulating layer, the plurality of source electrodes being connected to the signal lines; and

forming a second insulating layer on the plurality of source electrodes and the plurality of drain electrodes, the second insulating layer formed with respective ~~vias~~ conductive openings passing through the second insulating layer over respective drain electrodes of the plurality of drain electrodes; and

wherein the step of forming a protruding pattern on the gate lines, the signal lines, and the switching elements to define respective color filter unit areas, comprises:

forming a protruding pattern on the gate lines, the signal lines, and the switching elements to define respective color filter unit areas, the protruding pattern formed with respective contact holes aligned with corresponding ~~vias~~ conductive openings in the second insulating layer.

25. (Currently Amended) The integrated color filter as claimed in claim 12,

wherein each of said switching elements comprises:

a first electrode, said first electrode being a gate electrode;

a second electrode;

a third electrode; and

an insulating layer covering said second and third electrodes, said insulating layer having a ~~via~~ conductive opening passing through said insulating layer from a top surface of said insulating layer to one of said second and third electrodes; and

wherein said protruding pattern has respective contact holes that are aligned with corresponding ~~vias~~ conductive openings in the insulating layer of respective switching elements.

26. (New) The method as claimed in claim 1, wherein the step of applying colored resin, comprises:

applying colored resin to form respective color filter units in the color filter unit areas defined by the protruding pattern, the respective color filter units having respective top surfaces with edge portions that are planar with respective edge portions of a top surface of the protruding pattern.

27. (New) The method as claimed in claim 1, wherein the step of applying colored resin, comprises:

applying colored resin to form respective color filter units in the color filter unit areas defined by the protruding pattern, the respective color filter units having respective top surfaces

with edge portions that are at a same height as respective edge portions of a top surface of the protruding pattern.

28. (New) The integrated color filter as claimed in claim 12, wherein the edge portions of the respective top surfaces of the respective color filters are planar with the respective edge portions of the top surface of the protruding pattern.

29. (New) The integrated color filter as claimed in claim 12, wherein the edge portions of the respective top surfaces of the respective color filters are at a same height as the respective edge portions of the top surface of the protruding pattern.